

**SELECTING A TARGET DEVICE IN A DEVICE NETWORK****Abstract**

A device network to process signals has target devices, selecting devices that are  
5 movable relative to the target devices, and controllers. The controllers are in communication  
with the target devices and the selecting devices. Each of the selecting devices has a position  
sensor and an orientation sensor to provide spatial and angular co-ordinates of position and  
orientation when pointing to a target device and upon receiving a user input. Each of the  
10 selecting devices also has a signal processor to generate a control signal having the position  
and orientation data. This control signal is then transmitted by a transmitter, via a radio  
frequency channel, to a controller. Upon receiving the control signal, the controller  
determines whether, for example, a target device has been selected by a selecting device by  
comparison of the orientation data with a derived orientation based on the position data and  
the known position of the target devices.

15